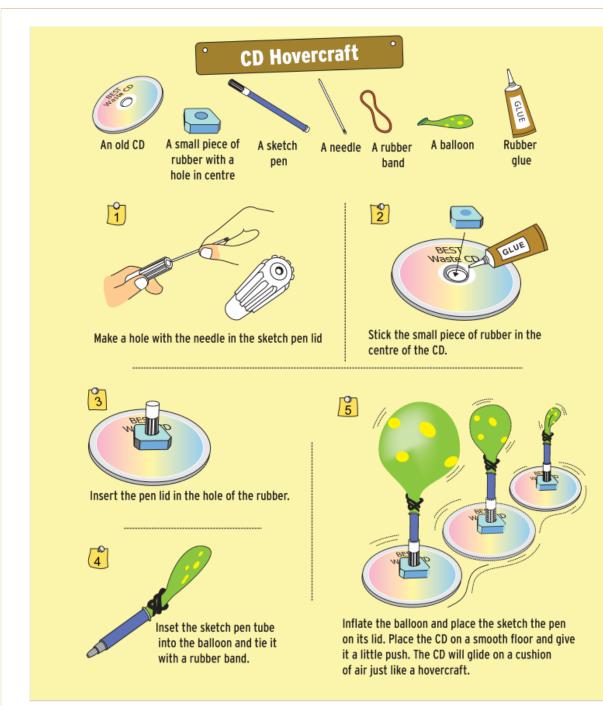
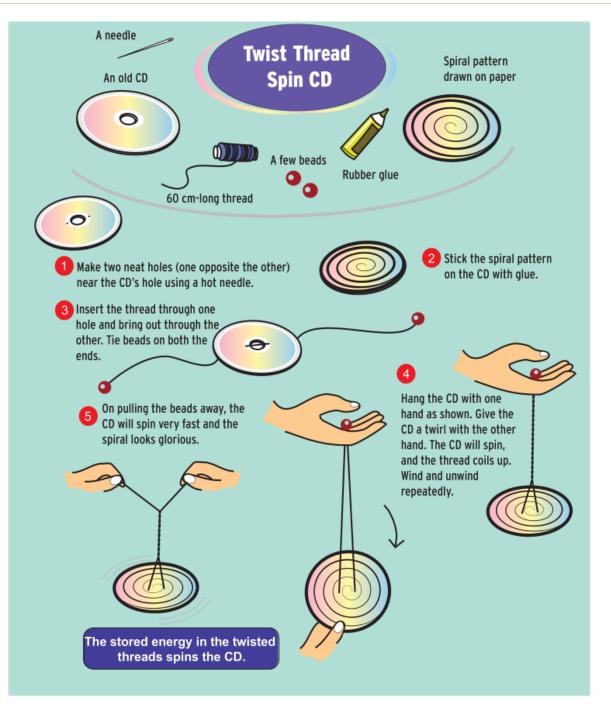


A paper project is coming up and you've run out of glue? Worry not! All you need is some all-purpose-flour, sugar and water to make your own glue at home. Mix 1/3 cup flour and 2 tbsp sugar. Add 1 cup of water to the mixture gradually, while stirring continuously. Cook this over low heat until the paste is clear. Your homemade glue is ready!

ROCK-PAPER-SCISSORS

How about using a few CDs to understand the concept of air pressure and energy? Try these experiments!





CONCEPT: TOY INVENTOR ARVIND GUPTA
ILLUSTRATORS: CHINMAYEE SAMANT & RESHMA BARVE
(www.arvindguptatoys.com)

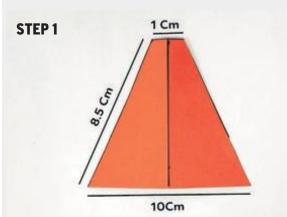
DO-IT-YOURSELF

Hologram Projector

Flintobox explains how you can make your own hologram projector to view holographic images.

MATERIALS REQUIRED:

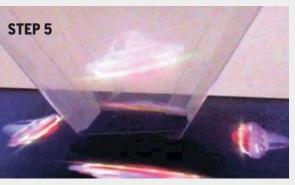
Coloured papers, Transparent sheet, Sketch pen, Ruler, Tape, A pair of scissors, Smartphone



Take a sheet of coloured paper and mark and cut your template. We are using a pyramid template.

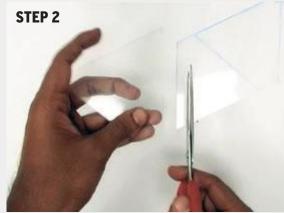


Using tape, stick the sides of each pyramid to create a 3D pyramid.



Place your projector on the video and watch. Remember to turn off the light for a better effect!





Place the transparent sheet over the pyramid paper cut-out, and using it as a stencil, cut the transparent sheet. Make 4 such pyramids.



Use your parent's or your phone, and search for a hologram video online.

SCIENCE BEHIND IT

There are four images in the video. When you place the hologram projector on the phone, these images get reflected from all the sides of the projector.

So, when you look at the image through

the projector it looks as though the image is floating in the air, creating a holographic image.

PEN & PAPER

Hurrah for good handwriting!

The key role that handwriting plays in our daily life is enough to spur us to put pen or pencil to paper, every now and then, to perfect our lines and strokes

Priti Govindaraj (www.pritis-ecademy.com)



With the advent of new technologies for communication, the beauty of handwritten letters and precise penmanship has unfortunately somewhat faded. But, for those of us who enjoy the art of handwriting in all its forms, January 23 is our day to celebrate the joy of taking a pen to paper.

Why? The simple reason

Why? The simple reason being, it is celebrated as National Handwriting Day. It was initiated by the Writing Instrument Manufacturers Association (WIMA) in 1977 to honour the importance of handwriting in our daily lives.



According to the WIMA website, "The purpose of National Handwriting Day is to alert the public to the importance of handwriting

and is a chance for all of us to re-explore the purity and power of handwriting". How do we leave our WikiHow offers tips such as, learning cursive, teaching someone else to write, and practising our personal signature. But it is not just this day when handwriting matters. Handwritten communication is a significant part of our day to day life, education, and career forever. So, every once in a while let us put our pen or pencil to paper, focus on how to write, maybe practise constructing letters, words and sentences and add more personality, or professionalism to our handwriting.

mark on National

Handwriting Day?

(The writer runs Pritis-ecademy which offers online courses, e-learning videos and mobile apps to improve handwriting skills for all age groups.)